# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

***Name of the work:*** **Estimate for Improvements and Asphalting to LG Enclave roads in Ward No. 09, Vidyaranyapura Sub Division.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Estimate Cost:** | | | | | **1000000.00** | |
| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15** | Cum | | | | | | | |
| | Drain Desilting | | | | | | | | |
| | Main Road | | 2 | 200.00 | 0.45 | 0.35 | 63.00 | | |
| | Cross Roads | | 2 | 55.00 | 0.45 | 0.35 | 17.33 | | |
| | Berm cutting | | | | | | | | |
| | Main Road | | 2 | 200.00 | 1.50 | 0.25 | 150.00 | | |
| | Cross Roads | | 2 | 50.00 | 1.30 | 0.25 | 32.50 | | |
| | | | | | | | **262.83** | 75.60 | **19870.00** |
| | Basic Rate | 70.00 | | | | | | | |
| | Area Weightage @8% | 5.60 | | | | | | | |
| | **Total** | **75.60** | | | | | | | |
| 2 | KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 157 / Item No. 21.3 / PWD SR 2014-15** | Sqm | | | | | | | |
| | Main Road | | 1 | 200.00 | 5.00 | | 1000.00 | | |
| | Cross Roads | | 1 | 50.00 | 1.20 | | 60.00 | | |
| | | | | | | | **1060.00** | 82.94 | **87921.00** |
| | Basic Rate | 76.80 | | | | | | | |
| | Area Weightage @ 8% | 6.14 | | | | | | | |
| | **Total** | **82.94** | | | | | | | |
| 3 | Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No. 154 / Item No. 20.18 PWD SR - 2014-15.** | Cum | | | | | | | |
| | Main Road | | 1 | 200.00 | 6.00 | 0.15 | 180.00 | | |
| | Cross Roads | | 1 | 50.00 | 1.20 | 0.15 | 9.00 | | |
| | | | | | | | **189.00** | | |
| | Consider 10% for Road Cutting | | | | | | 18.90 | | |

| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **207.90** | 1438.56 | **299077.00** |
| | Basic Rate | 1332.00 | | | | | | | |
| | Area Weightage @ 8% | 106.56 | | | | | | | |
| | **Total** | **1438.56** | | | | | | | |
| 4 | KSRRB 500-1.1 : **Cleaning the existing WBM** road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **P. 157 / I. 21.1 PWDSR 2014-15** | Sqm | | | | | | | |
| | Main Road | | 1 | 200.00 | 6.00 | | 1200.00 | | |
| | Cross Roads | | 1 | 50.00 | 5.00 | | 250.00 | | |
| | | | | | | | **1450.00** | 12.20 | **17696.00** |
| | Basic Rate | 11.30 | | | | | | | |
| | Area Weightage @ 8% | 0.90 | | | | | | | |
| | **Total** | **12.20** | | | | | | | |
| 5 | KSRRB M500-6: **Providing and applying primer coat for surfaces of medium porosity** like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.5 / PWD SR 2014-15** | Sqm | | | | | | | |
| | | | Qty Vide Item No. 04 | | | | 1450.00 | | |
| | Basic Rate | 69.00 | | | | | **1450.00** | 74.52 | **108054.00** |
| | Area Weightage @ 8% | 5.52 | | | | | | | |
| | **Total** | **74.52** | | | | | | | |
| 6 | KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. **using 100-120 TPH capacity H.M.P with sensor paver grading II (25-30mm) with 5% CRMB-55 grade, No. 160 / Item No. 21.21.2 / PWD SR 2014-15** | Cum | | | | | | | |
| | Main Road | | 1 | 200.00 | 6.00 | 0.025 | 30.00 | | |
| | Cross Road | | 1 | 50.00 | 5.00 | 0.025 | 6.25 | | |
| | | | | | | | **36.25** | | |
| | Consider 10% For Depression Filling | | | | | | 3.63 | | |
| | | | | | | | **39.88** | 11070.00 | **441416.00** |
| | Basic Rate | 10250.00 | | | | | | | |
| | Area Weightage @ 8% | 820.00 | | | | | | | |
| | **Total** | **11070.00** | | | | | | | |

| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 7 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | Cum | | | | | | | |
| | | | | | | | Vide Item No. 1 | 197.12 | 73.57 | 14502.00 |
| | Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12 | 5.12 | | | | | | | |
| | Add loading and unloading charges Vide item no.17.1 P.no.130 | 63.00 | | | | | | | |
| | | **68.12** | | | | | | | |
| | Area Weightage @ 8% | 5.45 | | | | | | | |
| | **Total** | **73.57** | | | | | | | |
| 8 | Sub Total | | | | | | | | 988536.00 |
| 9 | For Third Part QC inspection Charges @ 1% of Estimate Cost | | | | | | | | 9885.00 |
| 10 | Miscellaneous and other Charges | L/S | | | | | | | 1579.00 |
| | | | | | | | | **Total** | 1000000.00 |
| | **(Rs. Ten Lakhs Only)** | | | | | | | | |

Technical approval for Rs. 10.00 Lakhs
Ten Lakhs only
AS/EE/59/14-15
29-10-14
AE/JE

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
W-09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 10.00 Lakhs
Ten Lakhs only
147/14-15
Registered as EE subject to conditions contained therein
29/10/14
No: TS/EE/147/14-15 29/10/14
AE/JE

# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

***Lead Distance***

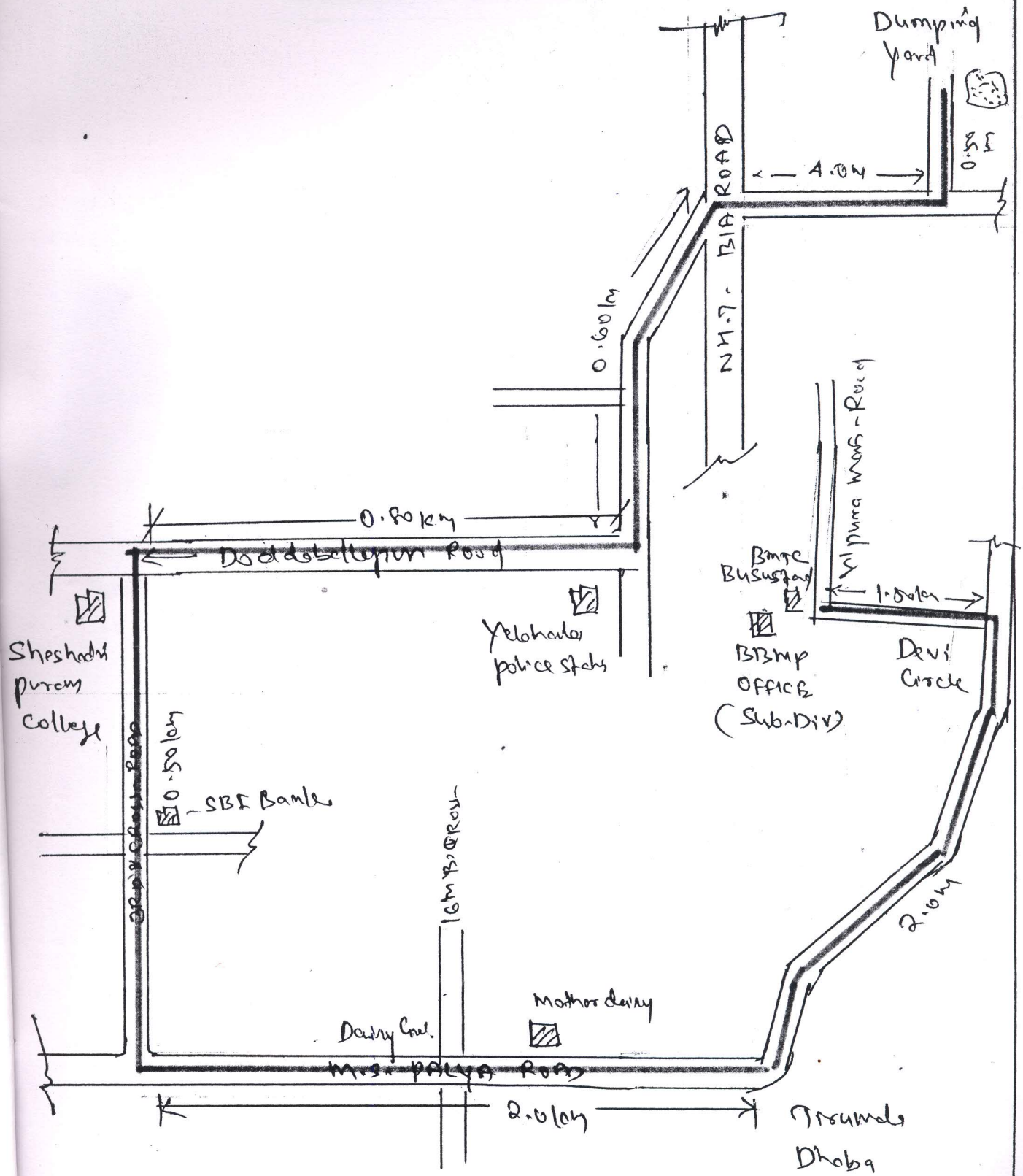
| | | |
|---|---|---|
| 1. | From BBMP Sub Division office to Devi Circle | 1.50 Kms |
| 2. | From Devi Circle to Thirumala Daba | 2.00 Kms |
| 3. | From Thirumala Daba to 3rd Cross SBI Bank | 2.00 Kms |
| 4. | From 3rd Cross SBI Bank to Sheshadripuram College | 0.50 Kms |
| 5. | From Shesadripuram College to Police Station | 0.80 Kms |
| 6. | From Police Station to Kogilu Cross | 0.60 Kms |
| 7. | From Kogilu Cross to Srinivasapura | 4.00 Kms |
| 8. | From Srinivasapura to Dumping Yard | 0.50 Kms |
| | **Total** | **11.90 Kms** |

**Certificate:**

1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

| | | |
|---|---|---|
| Assistant Engineer<br>Ward No. 09 | Assistant Executive Engineer<br>Vidyaranyapura Sub Division | Executive Engineer<br>Byatarayanapura Division |

# LEAD CHART FOR DUMPING-YARD FOR WARD NO 09




ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97